

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A light emitting apparatus having at least one light emitting element over an insulator, the light emitting element comprising:

an anode having ~~at least~~ a first end portion and a second end portion formed over said insulator, wherein the anode extends in a first direction, and each of the first end portion and the second end portion of the anode extends along the first direction;

at least one wiring ~~interposed between the insulator and the anode, wherein the wiring is formed over and~~ in contact with the first end portion of the anode, wherein the wiring extends in the first direction, and wherein the wiring is not part of the anode;

an insulating film covering ~~at least the first and the second end~~ both edge portions of the anode along the first direction, and the wiring, wherein the insulating film has a planarized surface over the both edge portions of the anode and the wiring;

an electroluminescent layer formed over the insulating film and the anode, wherein the electroluminescent layer is in direct contact with a part of the anode; and

a cathode formed over the electroluminescent layer.

2. (Previously presented) An apparatus according to claim 1, wherein said wiring is formed of a metal film.

3. (Original) An apparatus according to claim 2, wherein said metal film comprises platinum, palladium, nickel, gold, aluminum, copper, silver, tantalum, tungsten, molybdenum or titanium.

4. (Previously presented) An apparatus according to claim 1, wherein said anode is formed of electrically conductive oxide films.

5. (Canceled)

6. (Original) An electric device using an apparatus according to claim 1.

7-12. (Canceled)

13. (Currently Amended) A light emitting apparatus having at least one light emitting element over an insulator, the light emitting element comprising:

an anode having ~~at least~~ a first end portion and a second end portion formed over said insulator, the anode extending in a first direction, wherein each of the first end portion and the second end portion of the anode extends along said first direction;

a first wiring and a second wiring ~~interposed between the insulator and the anode,~~ wherein the first wiring is formed over and in contact with the first end portion of the anode, the second wiring is formed over and in contact with the second end portion of the anode, the first wiring and the second wiring ~~are extending~~ extend in the first direction, and the first wiring and the second wiring are not part of the anode;

an insulating film covering ~~at least the first and second end~~ both edge portions of the anode along the first direction, the first wiring and the second wiring, wherein the insulating film has a planarized surface over the both edge portions of the anode, the first wiring and the second wiring;

an electroluminescent layer formed over the insulating film and the anode, wherein the electroluminescent layer is in direct contact with a part of the anode; and

a cathode formed over the electroluminescent layer.

14. (Previously presented) An apparatus according to claim 13, wherein the first wiring and the second wiring are formed of metal films.

15. (Original) An apparatus according to claim 14, wherein said metal films comprise platinum, palladium, nickel, gold, aluminum, copper, silver, tantalum, tungsten, molybdenum or titanium.

16. (Previously presented) An apparatus according to claim 13, wherein said anode is formed of electrically conductive oxide films.

17. (Canceled)

18. (Original) An electric device using an apparatus according to claim 13.

19-29. (Canceled)

30. (Previously presented) An apparatus according to claim 1, wherein said wiring is different in material from said anode.

31. (Previously presented) An apparatus according to claim 1, wherein said wiring is made of a material lower in resistance than that of said anode.

32. (Previously presented) An apparatus according to claim 13, wherein the first wiring and the second wiring are different in material from said anode.

33. (Previously presented) An apparatus according to claim 13, wherein the first wiring and the second wiring are made of a material lower in resistance than that of said anode.

34. (Currently Amended) A light emitting apparatus having at least one light emitting element over an insulator, the light emitting element comprising:

an anode having ~~at least~~ a first end portion and a second end portion formed over said insulator, the anode extending in a first direction, wherein each of the first end portion and the second end portion of the anode extends along said first direction, wherein said anode is electrically connected to a first driver circuit which is mounted by a COG system;

a first wiring and ~~a second wiring interposed between the insulator and the anode~~, wherein the first wiring is formed over and in contact with the first end portion of the anode, the second wiring is formed over and in contact with the second end portion of the anode, the first wiring and the second wiring ~~are extending~~ extend in the first direction, and the first wiring and the second wiring are not part of the anode;

an insulating film covering ~~at least the first and second end~~ both edge portions of the anode along the first direction, the first wiring and the second wiring, wherein the insulating film has a planarized surface over the both edge portions of the anode, the first wiring and the second wiring;

an electroluminescent layer formed over the insulating film and the anode, wherein the electroluminescent layer is in direct contact with a part of the anode; and

a cathode formed over the electroluminescent layer, wherein said cathode is electrically connected to a second driver circuit which is mounted by the COG system.

35. (Previously presented) An apparatus according to claim 34, wherein the first wiring and the second wiring are formed of metal films.

36. (Previously presented) An apparatus according to claim 35, wherein said metal films comprise platinum, palladium, nickel, gold, aluminum, copper, silver, tantalum, tungsten, molybdenum or titanium.

37. (Previously presented) An apparatus according to claim 34, wherein said anode is formed of electrically conductive oxide films.

38. (Previously presented) An apparatus according to claim 34, further comprising a plurality of banks arranged so as to be orthogonal to said anode.

39. (Currently Amended) A light emitting apparatus having at least one light emitting element over an insulator, the light emitting element comprising:

an anode having at least a first end portion and a second end portion formed over said insulator, the anode extending in a first direction, wherein each of the first end portion and the second end portion of the anode extends along said first direction, wherein a first stick driver is electrically connected to the anode through an anisotropic electrically conductive material;

first wiring and second wiring interposed between the insulator and the anode, wherein the first wiring is formed in contact with the first end portion of the anode, the second wiring is formed in contact with the second end portion of the anode, the first wiring and the second wiring are extending in the first direction, and the first wiring and the second wiring are not part of the anode;

an insulating film covering at least the first and second end portions of the anode;
an electroluminescent layer formed over the insulating film and the anode, wherein the electroluminescent layer is in direct contact with a part of the anode; and
a cathode formed over the electroluminescent layer, wherein a second stick driver electrically connected to the cathode through an anisotropic electrically conductive material,
wherein each of the first stick driver and the second stick driver comprises a thin film transistor.

40. (Previously presented) An apparatus according to claim 39, wherein the first wiring and the second wiring are formed of metal films.

41. (Previously presented) An apparatus according to claim 40, wherein said metal films comprise platinum, palladium, nickel, gold, aluminum, copper, silver, tantalum, tungsten, molybdenum or titanium.

42. (Previously presented) An apparatus according to claim 39, wherein said anode is formed of electrically conductive oxide films.

43. (Previously presented) An apparatus according to claim 39, further comprising a plurality of banks arranged so as to be orthogonal to said anode.

44. (Currently Amended) A light emitting apparatus having at least one light emitting element over an insulator, the light emitting element comprising:

an anode having at least a first end portion and a second end portion formed over said

insulator, the anode extending in a first direction, wherein each of the first end portion and the second end portion of the anode extends along said first direction, wherein a first stick driver electrically connected to the anode through a metal wire;

first wiring and second wiring interposed between the insulator and the anode, wherein the first wiring is formed in contact with the first end portion of the anode, the second wiring is formed in contact with the second end portion of the anode, the first wiring and the second wiring are extending in the first direction, and the first wiring and the second wiring are not part of the anode;

an insulating film covering at least the first and second end portions of the anode;

an electroluminescent layer formed over the insulating film and the anode, wherein the electroluminescent layer is in direct contact with a part of the anode; and

a cathode formed over the electroluminescent layer, wherein a second stick driver electrically connected to the cathode through a metal wire,

wherein each of the first stick driver and the second stick driver comprises a thin film transistor.

45. (Previously presented) An apparatus according to claim 44, wherein said wirings are formed of metal films.

46. (Previously presented) An apparatus according to claim 45, wherein said metal films comprise platinum, palladium, nickel, gold, aluminum, copper, silver, tantalum, tungsten, molybdenum or titanium.

47. (Previously presented) An apparatus according to claim 44, wherein said anodes are formed of electrically conductive oxide films.

48. (Previously presented) An apparatus according to claim 44, further comprising a plurality of banks arranged so as to be orthogonal to said anodes.

49. (Currently Amended) A light emitting apparatus having at least one light emitting element over an insulator, the light emitting element comprising:

an anode having ~~at least~~ a first end portion and a second end portion formed over said insulator, the anode extending in a first direction;

a first wiring and a second wiring ~~interposed between the insulator and the anode,~~ wherein the first wiring is formed over and in contact with the first end portion of the anode, the second wiring is formed over and in contact with the second end portion of the anode, the first wiring and the second wiring ~~are extending~~ extend in the first direction, and the first wiring and the second wiring are not part of the anode;

an insulating film covering ~~at least the first and second end~~ both edge portions of the anode along the first direction, the first wiring and the second wiring, wherein the insulating film has a planarized surface over the both edge portions of the anode, the first wiring and the second wiring;

an electroluminescent layer formed over the insulating film and the anode, wherein the electroluminescent layer is in direct contact with a part of the anode; and

a cathode formed over the electroluminescent layer.

50. (Previously presented) An apparatus according to claim 49, wherein the first wiring and the second wiring are formed of metal films.

51. (Previously presented) An apparatus according to claim 49, wherein said anode is formed

of electrically conductive oxide films.

52. (Previously presented) An electric device using an apparatus according to claim 49.

53. (Previously presented) An apparatus according to claim 49, wherein the first wiring and the second wiring are different in material from said anode.

54. (Previously presented) An apparatus according to claim 49, wherein the first wiring and the second wiring are made of a material lower in resistance than that of said anode.

55. (Previously Presented) An apparatus according to claim 13, wherein the insulator does not contact with the electroluminescent layer.

56. (Previously Presented) An apparatus according to claim 34, wherein the insulator does not contact with the electroluminescent layer.

57. (Previously Presented) An apparatus according to claim 39, wherein the insulator does not contact with the electroluminescent layer.

58. (Previously Presented) An apparatus according to claim 44, wherein the insulator does not contact with the electroluminescent layer.

59. (Previously Presented) An apparatus according to claim 1, wherein the insulator does not contact with the electroluminescent layer.

60. (Previously Presented) An apparatus according to claim 49, wherein the insulator does not contact with the electroluminescent layer.